

## REMARKS

Applicants appreciate the detailed examination evidenced by the final Office Action mailed May 4, 2006 (hereinafter "Office Action"), and more particularly, the allowance of Claims 9-22 and 37-38, and the indication that Claims 7, 8, 28-29 and 36 recite patentable subject matter. Applicants respectfully submit that the rejections of independent Claims 1, 23, 30 and 31 are erroneous, as the cited U.S. Patent No. 6,532,425 to Boost et al. ("Boost") does not disclose or suggest, among other things, adaptive modification of a model of battery reserve life *that is a function of a SOH indicator*. In particular, as previously noted in Applicants' Amendment of February 2, 2006, Boost describes changing initial conditions, that is, changing *inputs* to a model function, but not modifying the model *function* itself. The model function described in Boost remains unchanged.

In hope of aiding understanding of why the subject matter of independent Claims 1, 23, 30 and 31 differs from the technique shown in Boost, Applicants amend these claims to recite modification of "a function of a SOH indicator that is a model of battery reserve life." Claim 2 has been amended to maintain consistency with the amendment to Claim 1. Applicants respectfully request entry of these amendments, as they raise no issues and place Claims 1-8, 23-36 in condition for allowance or, in the alternative, place the claims in better form for consideration under appeal. Applicants submit that the amended independent Claims 1, 23, 30 and 31, and the claims depending therefrom, are patentable over Boost for at least the reasons discussed above.

## Conclusion

As all of the claims are now in condition for allowance, Applicants respectfully request allowance of the claims and passing of the application to issue in due course. Applicants urge the Examiner to contact Applicants' undersigned representative at (919) 854-1400 to resolve any remaining formal issues.

Respectfully submitted,



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In re: Adnan H. Anbuky et al.

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Page 13

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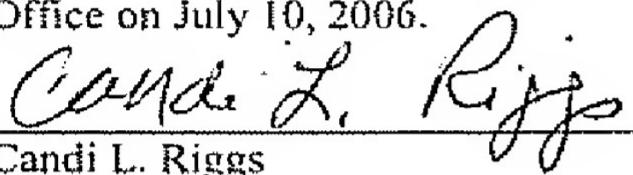
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